

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
22 September 2005 (22.09.2005)

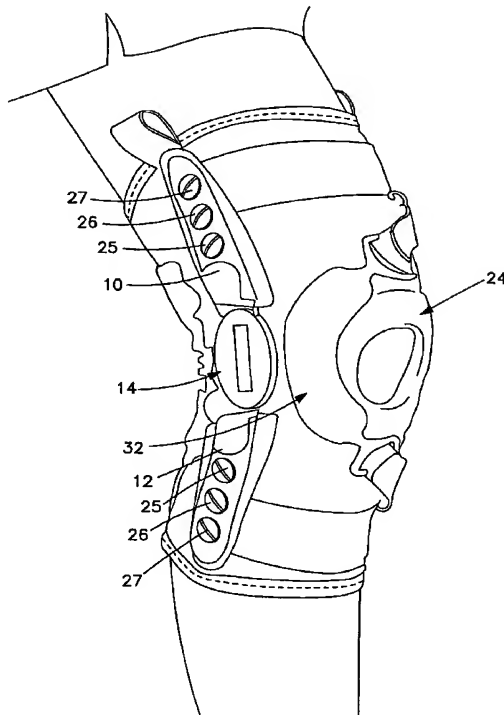
PCT

(10) International Publication Number
WO 2005/087149 A1

- (51) International Patent Classification⁷: **A61F 5/01**
- (21) International Application Number:
PCT/US2005/008136
- (22) International Filing Date: 10 March 2005 (10.03.2005)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
531703 10 March 2004 (10.03.2004) NZ
- (71) Applicant (for all designated States except US): **OMNI LIFE SCIENCE, INC.** [US/US]; 1390 Decision Street, Vista, CA 92081 (US).
- (72) Inventor; and
- (75) Inventor/Applicant (for US only): **GILMOUR, Robert** [NZ/NZ]; 8 Avon Street, Parnell, Auckland 1005 (NZ).
- (74) Agents: **COLLETT, James, W.** et al.; Duane Morris LLP, 101 West Broadway, Suite 900, San Diego, CA 92101 (US).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,

[Continued on next page]

(54) Title: **PATELLA FEMORAL BRACE**



(57) **Abstract:** A patella femoral brace having a support member configured to be worn about the knee of a user, the support member having an upper portion (10) extending above the knee and a lower portion (12) extending below the knee, and a pressure cuff (32) attachable to the support member in a position to exert force on at least a portion of the periphery of the user's patella. The pressure cuff can have a plurality of connection members (33) for securement to the sleeve (16) at selective ones of a plurality of connection points (25, 26, 27) provided on opposite sides of the knee and above and below the knee, such that the position of the pressure cuff is adjustable by varying connection of the connection members to selective ones of the connection points to apply force to the patella in a plurality of directions. A buttress (24) can be provided between the pressure cuff and the patella.

WO 2005/087149 A1



SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

— with international search report

Declaration under Rule 4.17:

— of inventorship (Rule 4.17(iv)) for US only

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.